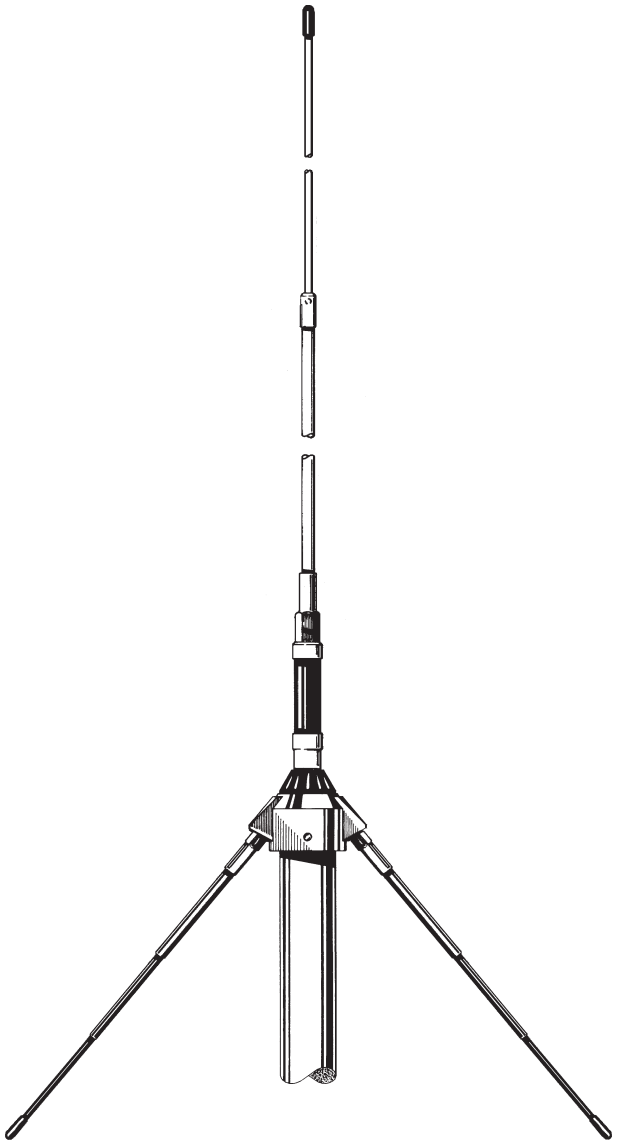
Model SIGNAL KEEPER 27

Ground Plane Antenna 27 MHz



Installation Manual

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DESCRIPTION

1/4 λ Base Loaded Ground Plane antenna for base station service working on 27 MHz. The whip is made of non-corrosive aluminium and assembled on a strong aluminium base which allows an easy and safe installation assuring very good performances. The short loaded radials are made of fiber glass to reduce the dimensions.

SPECIFICATIONS

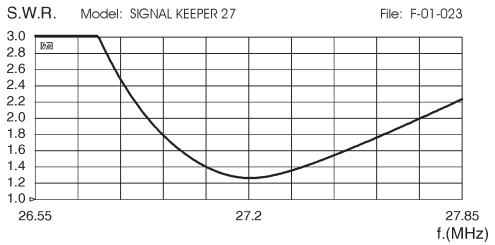
Electrical Data

Type	:	1/4 λ Base Loaded Ground Plane
Frequency Range	:	26-28 MHz
Impedance	:	50 Ω Unbalanced
Radiation	:	Omnidirectional
Polarization	:	Vertical
Gain	:	0 dBd - 2.14 dBi
Bandwidth at V.S.W.R. 2:1	:	850 KHz
V.S.W.R. at f. res.	:	≤ 1.3 : 1
Max Power	:	100 Watts
Feed System / Position	:	Direct / Center
Connection	:	UHF Female

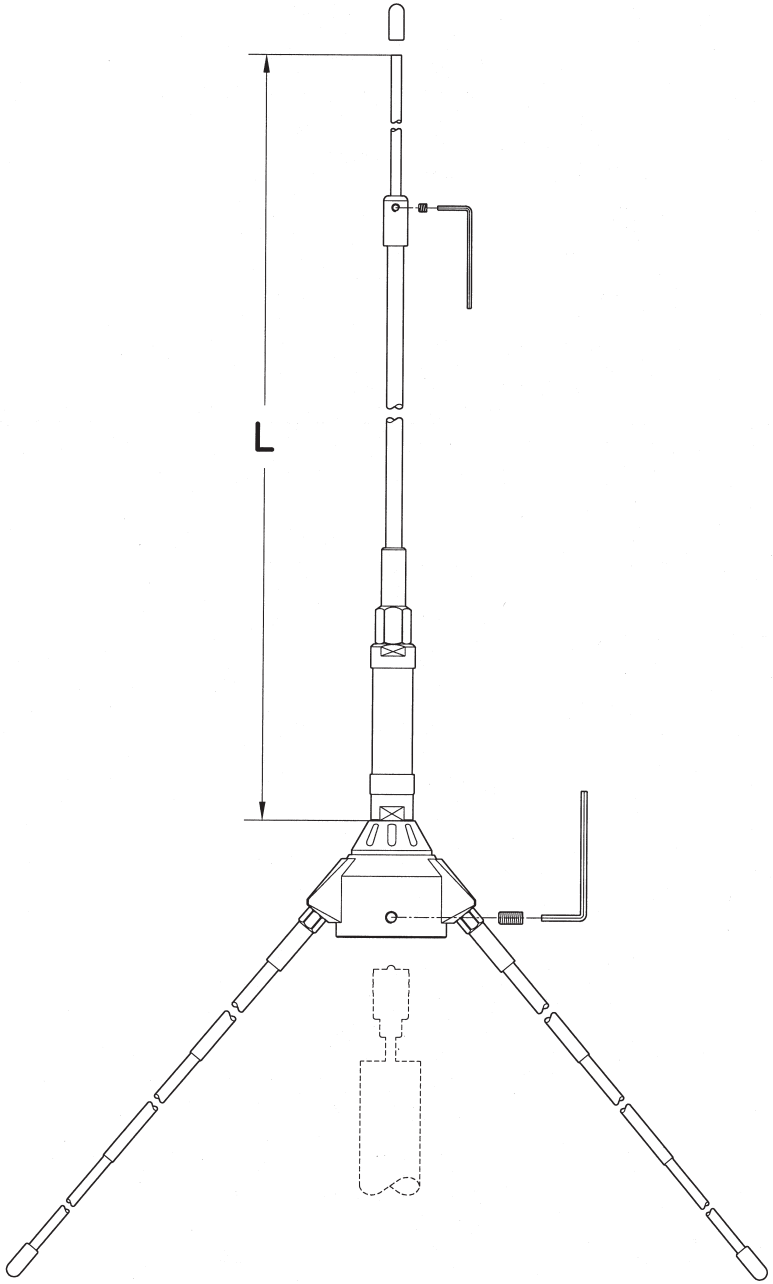
Mechanical Data

Materials	:	Aluminium, Chromed Brass, Nylon, Stainless Steel
Wind Load / Resistance	:	36 N at 150 Km/h / 130 Km/h
Wind Surface	:	0.03 m^2
Height (approx.)	:	2400 mm
Weight (approx.)	:	635 gr
Radial Length (approx)	:	600 mm
Mounting Mast	:	∅ 35-40 mm

TYPICAL S.W.R. RESPONSE



MOUNTING INSTRUCTIONS



L = 1870 mm; use this lenght as a guide and a SWR-meter for fine tuning.